Alabama Department of Environmental Management

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: U.S. ARMY

FACILITY NAME: ANNISTON ARMY DEPOT

FACILITY/PERMIT NO.: 301-0023

LOCATION: ANNISTON, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: December 31, 2013

Modification Date: DRAFT

Expiration Date: December 14, 2018

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1. **Transfer**	
This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.	Rule 335-3-16-.02(6)
2. **Renewals**	
An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.	Rule 335-3-16-.12(2)
The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.	
3. **Severability Clause**	
The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.	Rule 335-3-16-.05(e)
4. **Compliance**	
(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.	Rule 335-3-16-.05(f)
(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.	Rule 335-3-16-.05(g)

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5. **Termination for Cause** This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.	Rule 335-3-16-.05(h)
6. **Property Rights** The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	Rule 335-3-16-.05(i)
7. **Submission of Information** The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.	Rule 335-3-16-.05(j)
8. **Economic Incentives, Marketable Permits, and Emissions Trading** No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.	Rule 335-3-16-.05(k)
9. **Certification of Truth, Accuracy, and Completeness:** Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.	Rule 335-3-16-.07(a)

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10. **Inspection and Entry**	
Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:	Rule 335-3-16-.07(b)
(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;	
(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;	
(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;	
(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.	
11. **Compliance Provisions**	
(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.	Rule 335-3-16-.07(c)
(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.	
12. **Compliance Certification**	
A compliance certification shall be submitted annually by February 13th each year.	Rule 335-3-16-.07(e)
(a) The compliance certification shall include the following:	
(1) The identification of each term or condition of this permit that is the basis of the certification;	
(2) The compliance status;	

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(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recording Keeping Requirements); (4) Whether the method(s) or other means used to assure compliance provided continuous or intermittent data; (5) Such other facts as the Department may require to determine the compliance status of the source; (b) The compliance certification shall be submitted to : Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to: Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303	
13. **Reopening for Cause** Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit: (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire. (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.	Rule 335-3-16-.13(5)

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(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.	
(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	
14. **Additional Rules and Regulations**	
This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.	§22-28-16(d), Code of Alabama 1975, as amended
15. **Equipment Maintenance or Breakdown**	
(a) In case of shutdown of air pollution control equipment for scheduled maintenance, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. The Department shall be notified when maintenance on the air pollution control equipment is complete and the equipment is operating.	Rule 335-3-1-.07(1),(2)
(1) Identification of the specific facility to be taken out of service as well as its location and permit number;	
(2) The expected length of time that the air pollution control equipment will be out of service;	
(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;	
(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;	
(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.	
(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air	

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contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.	
16. **Operation of Capture and Control Devices**	
All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.	§22-28-16(d), Code of Alabama 1975, as amended
17. **Obnoxious Odors**	
This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.	Rule 335-3-1-.08
18. **Fugitive Dust**	
(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.	Rule 335-3-4-.02
(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:	
(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;	
(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;	
(3) By paving;	

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(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or (5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.	
19. **Additions and Revisions** Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.	Rule 335-3-16-.13 and .14
20. **Recordkeeping Requirements** (a) Records of required monitoring information of the source shall include the following: (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.	Rule 335-3-16-.05(c)(2)

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21. **Reporting Requirements**	
(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).	Rule 335-3-16-.05(c)(3)
(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	
22. **Emission Testing Requirements**	
Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.	Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)
The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.	
To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:	
(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.	Rule 335-3-1-.04
(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).	
(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to	

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control or influence the operations, and the rated capacity. (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis. All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.	Rule 335-3-1-.04
23. **Payment of Emission Fees** Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.	Rule 335-1-7-.04
24. **Other Reporting and Testing Requirements** Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.	Rule 335-3-1-.04(1)
25. **Title VI Requirements (Refrigerants)** Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F. No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F. The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.	40 CRR Part 82

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26. **Chemical Accidental Prevention Provisions** If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then: (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.	40 CFR Part 68
27. **Display of Permit** This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.	Rule 335-3-14-.01(1)(d)
28. **Circumvention** No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.	Rule 335-3-1-.10
29. **Visible Emissions** Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.	Rule 335-3-4-.01(1)
30. **Fuel-Burning Equipment** (a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may	Rule 335-3-4-.03

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discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.	
(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.	Rule 335-3-5-.01
31. **Process Industries – General**	
Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.	Rule 335-3-4-.04
32. **Averaging Time for Emission Limits**	Rule 335-3-1-.05
Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method	
33. **Compliance Assurance Monitoring (CAM)**	
Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.	
(a) Operation of Approved Monitoring	
(1) *Commencement of operation.* The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).	
(2) *Proper maintenance.* At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.	

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(3) *Continued operation*. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. (4) *Response to excursions or exceedances*. (a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. (b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to,	

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monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(5) *Documentation of need for improved monitoring*. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(b) Quality Improvement Plan (QIP) Requirements

(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.

(2) Elements of a QIP:

1. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
2. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or

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more of the following actions, as appropriate: (i) Improved preventive maintenance practices. (ii) Process operation changes. (iii) Appropriate improvements to control methods. (iv) Other steps appropriate to correct control performance. (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above). (3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. (4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have: (a) Failed to address the cause of the control device performance problems; or (b) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. (5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.	

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(c) Reporting and Recordkeeping Requirements (1) *General reporting requirements* On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3. A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable: (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and (iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring. (2) *General recordkeeping requirements.* (a) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2.. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the	

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adequacy of monitoring, or records of monitoring maintenance or corrective actions). (b) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. **(d) Savings Provisions** (1) Nothing in this part shall: (a) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part. (b)Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable. (c)Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.	

Summary Page for Abrasive Blasting Operations

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
L7029	Building 409 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L7029	Building 409 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7030	Building 409 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L7030	Building 409 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
09427	Building 409 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09427	Building 409 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7031	Building 409 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L7031	Building 409 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L4463	Building 431 Spinner Hanger	PM	3.4 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L4463	Building 431 Spinner Hanger	Opacity	See General Provisos	Rule 335-3-4-.01(1)
J4744	Building 431 Spinner Hanger Abrasive Blast Cabinet	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
J4744	Building 431 Spinner Hanger Abrasive Blast Cabinet	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L5056	Building 433 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5056	Building 433 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L5057	Building 433 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5057	Building 433 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L5058	Building 433 Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)

L5058	Building 433 Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L6009	Building 474 (Power Train Facility) Walk-in Abrasive Blast Unit	PM	0.236 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L6009	Building 474 (Power Train Facility) Walk-in Abrasive Blast Unit	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7734	Power Train Transmission Addition Facility (PTAF) Blast Room	PM	0.68 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L7734	Power Train Transmission Addition Facility (PTAF) Blast Room	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7735	Power Train Transmission Addition Facility (PTAF) Slurry Blast Room	PM	0.18 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L7735	Power Train Transmission Addition Facility (PTAF) Slurry Blast Room	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7733	Power Train Transmission Addition Facility (PTAF) Blast Room	PM	0.68 lbs/hr	Rule 335-3-14-.04 (Anti-PSD)
L7733	Power Train Transmission Addition Facility (PTAF) Blast Room	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L6359	Power Train Transmission Addition Facility (PTAF) Blast Glove Box	PM	0.48 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L6359	Power Train Transmission Addition Facility (PTAF) Blast Glove Box	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7589	Power Train Transmission Addition Facility (PTAF) Slurry Blast Glove Box	PM	0.18 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L7589	Power Train Transmission Addition Facility (PTAF) Slurry Blast Glove Box	Opacity	See General Provisos	Rule 335-3-4-.01(1)
K3871	Power Train Transmission Addition Facility (PTAF) Cabinet Abrasive Blast	PM	0.48 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
K3871	Power Train Transmission Addition Facility (PTAF) Cabinet Abrasive Blast	Opacity	See General Provisos	Rule 335-3-4-.01(1)
L7588	Power Train Transmission Addition Facility (PTAF) Blast Glove Box	PM	0.48 lbs/hr or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L7588	Power Train Transmission Addition Facility (PTAF) Blast Glove Box	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Abrasive Blast Operations

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. Units L4463, L6009, L7734, L7735, L7733, L6359, L7589 K3871, and L7588 have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04 (Anti-PSD)
3. For particulate matter emissions, Unit J4744 is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring", to include General Proviso # 33.	40 CFR Part 64
Emission Standards	
1. Particulate matter emissions from the Building 431 Spinner Hanger (L4463) shall not exceed the lesser of 3.4 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
2. Particulate matter emissions from the Building 474 (Power Train Facility) Walk-in Abrasive Blast Unit (L6009) shall not exceed the lesser of 0.236 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
3. Particulate matter emissions from the PTAF Blast Room (L7734) shall not exceed the lesser of 0.68 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
4. Particulate matter emissions from the PTAF Slurry Blast Room (L7735) shall not exceed the lesser of 0.18 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
5. Particulate matter emissions from the PTAF Blast Room (L7733) shall not exceed the lesser of 0.68 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
6. Particulate matter emissions from the PTAF Blast Glove Box (L6359) shall not exceed the lesser of 0.48 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)

Federally Enforceable Provisos	Regulations
7. Particulate matter emissions from the PTAF Slurry Blast Glove Box (L7589) shall not exceed the lesser of 0.18 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
8. Particulate matter emissions from the PTAF Cabinet Abrasive Blast (K3871) shall not exceed the lesser of 0.48 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
9. Particulate matter emissions from the PTAF Blast Glove Box (L7588) shall not exceed the lesser of 0.48 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
Compliance and Performance Test Methods and Procedures	
1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
2. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. Weekly visual observations of the stacks associated with these units which vent outdoors (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation shall be performed in order to verify that emissions are reduced to normal. In the event that a week goes by without the operation of a unit, a weekly visual inspection shall not be required.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
2. Reference the Appendix for the monitoring requirements for Unit J4744 per 40 CFR Part 64, "Compliance Assurance Monitoring".	40 CFR Part 64
Recordkeeping and Reporting Requirements	
1. Records of the required weekly visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation. During weeks that a unit is not in operation and a weekly visible observation is not required, it shall be recorded that the unit was not in operation.	Rule 335-3-16-.05(c)
2. Records of the required daily visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation. During days that a unit is not in operation and a daily visible observation is not required, it shall be recorded that the unit was not in operation.	Rule 335-3-16-.05(c)

Summary Page for Woodworking Operations and Carpentry Shops

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0005-1	Building 5 Carpentry Shop with Cyclone	PM	See General Provisos	Rule 335-3-4-.04(1)
B0005-1	Building 5 Carpentry Shop with Cyclone	Opacity	See General Provisos	Rule 335-3-4-.01(1)
B0127-1	Building 127 Carpentry Shop with Cyclone	PM	See General Provisos	Rule 335-3-4-.04(1)
B0127-1	Building 127 Carpentry Shop with Cyclone	Opacity	See General Provisos	Rule 335-3-4-.01(1)
B0379-1	Building 379 Carpentry Shop with Cyclone	PM	See General Provisos	Rule 335-3-4-.04(1)
B0379-1	Building 379 Carpentry Shop with Cyclone	Opacity	See General Provisos	Rule 335-3-4-.01(1)
B0689-1	Building 689 Carpentry Shop with Cyclone	PM	See General Provisos	Rule 335-3-4-.04(1)
B0689-1	Building 689 Carpentry Shop with Cyclone	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Woodworking Operations and Carpentry Shops

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
2. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
Emission Monitoring	
1. Weekly visual observations of the stacks associated with these units (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation shall be performed in order to verify that emissions are reduced to normal. In the event that a week goes by without the operation of a unit, a weekly visual inspection shall not be required.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the required weekly visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
During weeks that a unit is not in operation and a weekly visible observation is not required, it shall be recorded that the unit was not in operation.	

Summary Page for Parts Washers

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PTAF-L7118	Flow Through Washer # 1	VOCs	N/A	N/A
PTAF-L7118	Flow Through Washer # 1	HAPs	N/A	N/A
PTAF-L7737	Flow Through Washer # 2	VOCs	N/A	N/A
PTAF-L7737	Flow Through Washer # 2	HAPs	N/A	N/A
PTAF-L7738	Flow Through Washer # 3	VOCs	N/A	N/A
PTAF-L7738	Flow Through Washer # 3	HAPs	N/A	N/A
PTAF-L7736	Large Turntable Washer	VOCs	N/A	N/A
PTAF-L7736	Large Turntable Washer	HAPs	N/A	N/A
PTAF-L6371	Medium Turntable Washer	VOCs	N/A	N/A
PTAF-L6371	Medium Turntable Washer	HAPs	N/A	N/A
PTAF-L7506	Small Spray Washer	VOCs	N/A	N/A
PTAF-L7506	Small Spray Washer	HAPs	N/A	N/A
PTAF-L7507	Small Spray Washer	VOCs	N/A	N/A
PTAF-L7507	Small Spray Washer	HAPs	N/A	N/A
PTAF-L7508	Large Spray Washer	VOCs	N/A	N/A
PTAF-L7508	Large Spray Washer	HAPs	N/A	N/A
PTAF-L6360	Dual Rinse Tank	VOCs	N/A	N/A
PTAF-L6360	Dual Rinse Tank	HAPs	N/A	N/A

Provisos for Parts Washers

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Surface Coating Operations

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
K1366	Building 8 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
K1366	Building 8 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
K1366	Building 8 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
12718	Building 58 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
12718	Building 58 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
12718	Building 58 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
L5352-X054	Building 117 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5352-X054	Building 117 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
L5352-X054	Building 117 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
G3401	Building 130 Paint Booth with Dry Particulate Filter	PM	1.80 TPY or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
G3401	Building 130 Paint Booth with Dry Particulate Filter	VOCs	39.5 TPY	Rule 335-3-14-.04 (Anti-PSD)
G3401	Building 130 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
J2101	Building 143 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
J2101	Building 143 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
J2101	Building 143 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
J9041	Building 143 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)

J9041	Building 143 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
J9041	Building 143 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
09388	Building 409 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09388	Building 409 Paint Booth with Dry Particulate Filter	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
09388	Building 409 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
S6	Building 409 Spray/Paint Booth with Dry Particulate Filter (X063)	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
S6	Building 409 Spray/Paint Booth with Dry Particulate Filter (X063)	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
S6	Building 409 Spray/Paint Booth with Dry Particulate Filter (X063)	HAPs	N/A	N/A
S1	Building 409 Paint Booth with Dry Particulate Filter (X061)	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
S1	Building 409 Paint Booth with Dry Particulate Filter (X061)	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
S1	Building 409 Paint Booth with Dry Particulate Filter (X061)	HAPs	N/A	N/A
S2	Building 409 Paint Booth with Dry Particulate Filter (X061)	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
S2	Building 409 Paint Booth with Dry Particulate Filter (X061)	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
S2	Building 409 Paint Booth with Dry Particulate Filter (X061)	HAPs	N/A	N/A
S3	Building 409 Paint Booth with Dry Particulate Filter (X062)	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
S3	Building 409 Paint Booth with Dry Particulate Filter (X062)	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
S3	Building 409 Paint Booth with Dry Particulate Filter (X062)	HAPs	N/A	N/A
S4	Building 409 Paint Booth with Dry Particulate Filter (X062)	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
S4	Building 409 Paint Booth with Dry Particulate Filter (X062)	VOCs	87.7 TPY (All Bldg 409 Paint Booths)	Rule 335-3-14-.04 (Anti-PSD)
S4	Building 409 Paint Booth with Dry Particulate Filter (X062)	HAPs	N/A	N/A
X086	Four (4) Spray Bake Booths – Building 433	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)

X086	Four (4) Spray Bake Booths – Building 433	VOCs	46.0 TPY	Rule 335-3-14-.04 (Anti-PSD)
X086	Four (4) Spray Bake Booths – Building 433	HAPs	N/A	N/A
L6170	Building 433 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L6170	Building 433 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
L6170	Building 433 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
J9027	Building 433 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
J9027	Building 433 Paint Booth with Dry Particulate Filter	VOCs	39.5 TPY	Rule 335-3-14-.04 (Anti-PSD)
J9027	Building 433 Paint Booth with Dry Particulate Filter	HAPs	9.5/24.5 TPY	Rule 335-3-14-.06 (Anti-112g)
L6049	Building 474 Paint Booth with Dry Particulate Filter	PM	0.36 lbs/hr (L6049, L6050, & X059) or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L6049	Building 474 Paint Booth with Dry Particulate Filter	VOCs	35.0 TPY (L6049, L6050, & X059)	Rule 335-3-14-.04 (Anti-PSD)
L6049	Building 474 Paint Booth with Dry Particulate Filter	HAPs	9.0/23.5 TPY (L6049, L6050, & X059)	Rule 335-3-14-.06 (Anti-112g)
L6050	Building 474 Paint Booth with Dry Particulate Filter	PM	0.36 lbs/hr (L6049, L6050, & X059) or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L6050	Building 474 Paint Booth with Dry Particulate Filter	VOCs	35.0 TPY (L6049, L6050, & X059)	Rule 335-3-14-.04 (Anti-PSD)
L6050	Building 474 Paint Booth with Dry Particulate Filter	HAPs	9.0/23.5 TPY (L6049, L6050, & X059)	Rule 335-3-14-.06 (Anti-112g)
L6133	Building 474 Paint Booth with Dry Particulate Filter	PM	0.36 lbs/hr (L6049, L6050, & X059) or $E = 3.59P^{0.62}$	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
L6133	Building 474 Paint Booth with Dry Particulate Filter	VOCs	35.0 TPY (L6049, L6050, & X059)	Rule 335-3-14-.04 (Anti-PSD)
L6133	Building 474 Paint Booth with Dry Particulate Filter	HAPs	9.0/23.5 TPY (L6049, L6050, & X059)	Rule 335-3-14-.06 (Anti-112g)
G8729	Building 499 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
G8729	Building 499 Paint Booth with Dry Particulate Filter	VOCs	39.5 TPY	Rule 335-3-14-.04 (Anti-PSD)
G8729	Building 499 Paint Booth with Dry Particulate Filter	HAPs	9.5/24.5 TPY	Rule 335-3-14-.06 (Anti-112g)

E7634	Building 501 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
E7634	Building 501 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
E7634	Building 501 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
E7635	Building 501 Paint Booth with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
E7635	Building 501 Paint Booth with Dry Particulate Filter	VOCs	N/A	N/A
E7635	Building 501 Paint Booth with Dry Particulate Filter	HAPs	N/A	N/A
X081	Building 680 Three (3) Paint Booths with Dry Particulate Filters	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
X081	Building 680 Three (3) Paint Booths with Dry Particulate Filters	VOCs	N/A	N/A
X081	Building 680 Three (3) Paint Booths with Dry Particulate Filters	HAPs	N/A	N/A
L7115	Power Train Transmission Addition Facility (PTAF) Two (2) Paint Booths with Dry Particulate Filters	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L7115	Power Train Transmission Addition Facility (PTAF) Two (2) Paint Booths with Dry Particulate Filters	VOCs	N/A	N/A
L7115	Power Train Transmission Addition Facility (PTAF) Two (2) Paint Booths with Dry Particulate Filters	HAPs	N/A	N/A
L7116	PTAF Paint Conveyor Line with Dry Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L7116	PTAF Paint Conveyor Line with Dry Particulate Filter	VOCs	N/A	N/A
L7116	PTAF Paint Conveyor Line with Dry Particulate Filter	HAPs	N/A	N/A

Provisos for Surface Coating Operations

Federally Enforceable Provisos		Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	Paint Booths G3401, 09388, S6, S1, S2, S3, S4, X086, J9027, L6049, L6050, L6133, and G8729 have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04 (Anti-PSD)
3.	Paint Booths J9027, L6049, L6050, L6133, and G8729 have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.06 "Requirements for Control Technology [Determinations for Major Sources in Accordance with Clean Air Act Section 112(g)]".	Rule 335-3-14-.06 (Anti-112g)
4.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable requirements of 40 CFR Part 63 Subpart GG, "National Emission Standards for Hazardous Air Pollutants for Aerospace Manufacturing and Rework Facilities".	40 CFR Part 63 Subpart GG
5.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable requirements of 40 CFR Part 63 Subpart A, "General Provisions", as listed in Table 1 of Subpart GG.	40 CFR Part 63 Subpart A and Subpart GG
Emission Standards		
1.	Emissions of Particulate Matter (PM) from the Building 130 Paint Booth (G3401) shall not exceed the lesser of 1.80 tons during any consecutive rolling twelve month period, based on the percent weight of solids in the paint after applying transfer and control efficiencies or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
2.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Building 130 Paint Booth (G3401) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed 39.5 tons in any consecutive rolling twelve month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04 (Anti-PSD)
3.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Building 409 Paint Booths (S1, S2, S3, S4, S6, and 09388) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed	Rule 335-3-14-.04 (Anti-PSD)

	Federally Enforceable Provisos	Regulations
	87.7 tons in any consecutive rolling twelve month period, based on the premise that all VOCs applied are emitted.	
4.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Four (4) Spray Bake Booths Building 433 (X086) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed 46.0 tons in any consecutive rolling twelve month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04 (Anti-PSD)
6.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Building 433 Paint Booth (J9027) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed 39.5 tons in any consecutive rolling twelve month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04 (Anti-PSD)
7.	Emissions of Hazardous Air Pollutants (HAPs) from all operations associated with the Building 433 Paint Booth (J9027) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed a total of 9.5 tons of any single HAP or 24.5 tons of any combination of HAPs in any consecutive rolling twelve month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06 (Anti-112g)
8.	Emissions of Particulate Matter (PM) from the Building 474 Paint Booths (L6049, L6050 & L6133) shall not exceed the lesser of a total of 0.36 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-14-.04 (Anti-PSD) & Rule 335-3-4-.04(1)
9.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Building 474 Paint Booths (L6049, L6050 & L6133) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed 35.0 tons in any consecutive rolling twelve month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04 (Anti-PSD)
10.	Emissions of Hazardous Air Pollutants (HAPs) from all operations associated with the Building 474 Paint Booth (L6049, L6050 & L6133) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed a total of 9.0 tons of any single HAP or 23.5 tons of any combination of HAPs in any consecutive rolling twelve month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06 (Anti-112g)
11.	Emissions of Volatile Organic Compounds (VOCs) from all operations associated with the Building 499 Paint Booths (G8729) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed 39.5 tons in any consecutive rolling twelve month period, based on the	Rule 335-3-14-.04 (Anti-PSD)

Federally Enforceable Provisos		Regulations
	premise that all VOCs applied are emitted.	
12.	Emissions of Hazardous Air Pollutants (HAPs) from all operations associated with the Building 499 Paint Booth (G8729) (including but not limited to surface coating, storage, cleanup, etc.,) shall not exceed a total of 9.5 tons of any single HAP or 24.5 tons of any combination of HAPs in any consecutive rolling twelve month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06 (Anti-112g)
13.	Building 680 Paint Booths (X081, 3 booths) shall use specialty coatings only, as defined in 40 CFR Part 63 Subpart GG.	40 CFR §63.742
14.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable requirements contained in the General Standards found in §63.743.	40 CFR §63.743
15.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable standards for hand wiping operations found in §63.744(b).	40 CFR §63.744(b)
16.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable standards for handling and storage of waste found in §63.748.	40 CFR §63.748
Compliance and Performance Test Methods and Procedures		
1.	Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
2.	Method 24 of 40 CFR Part 60, Appendix A shall be used in the determination of volatile organic compound emissions.	Rule 335-3-1-.05
3.	Method 311 of 40 CFR Part 63, Appendix A shall be used in the determination of volatile hazardous air pollutant emissions.	Rule 335-3-1-.05
4.	Building 680 Paint Booths (X081, 3 booths) are subject to the applicable requirements of 40 CFR Part 63 Subpart GG, "National Emission Standards for Hazardous Air Pollutants for Aerospace Manufacturing and Rework Facilities", to include the Compliance Determinations and Test Methods and Procedures in §63.749 and §63.750.	40 CFR §63.749 & §63.750
Emission Monitoring		
1.	The dry filter(s) associated with each paint booth shall be inspected on at least an annual basis to ensure maintenance is performed in such a manner as to minimize the emission of particulate matter.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
2. Building 680 Paint Booths (X081, 3 booths) are subject to the applicable monitoring requirements found in §63.751.	40 CFR §63.751
Recordkeeping and Reporting Requirements	
1. Records of the required dry filter inspections, along with records of any maintenance performed on the filter(s) shall be kept in a form suitable for inspection for at least five years following the date of generation of the record.	Rule 335-3-16-.05(c)
2. Accurate and understandable records, concerning PM, VOC, and/or HAP emissions, as applicable, shall be kept in a form suitable for inspection for at least 5 years following the date of the record for each paint booth subject to Anti-PSD limits. These records will be made available immediately upon request and will contain the following information: (a) The type, quantity in gallons, and weight in lbs, of each VOC and HAP containing materials used each calendar month. (b) The HAP content by weight (in pounds per gallon) of each coating used shall be determined using EPA Test Method 311, as defined in 40 CFR Part 63, Appendix A, or equivalent vendor data approved by the Department in advance. (c) The VOC content by weight (in pound per gallon) of each VOC containing material used, determined by EPA Test Method 24, as defined in 40 CFR Part 60, Appendix A, or equivalent vendor data approved by the Department in advance. The VOC content of coatings may be determined by test method on a random basis to verify formulation data and such other times as the Department may request. (d) The percent by volume and percent of weight of VOCs, HAPs, solids, water and content of each VOC and HAP containing materials used each calendar month. (e) Complete inventories of VOC and HAP containing materials (their usage with VOC and HAP content) shall be made at the end of each calendar month. Compliance with VOC, HAP, and PM limits shall be based upon these monthly materials use inventories and the use and control efficiency of the particulate filters. Emissions calculations and records will also incorporate the use and control efficiency of the particulate filters. (f) The transfer efficiency of each coating operation and control efficiencies for all control devices. Total PM emissions shall be calculated based on these efficiencies. (g) The amount of PM, VOCs, and HAPs emitted each calendar month expressed in the units of pounds and tons. (h) The rolling twelve month total of PM, VOCs, and HAPs emitted in the units of pounds and tons.	Rule 335-3-16-.05(c)

	Federally Enforceable Provisos	Regulations
3.	The Permittee shall comply with the applicable recordkeeping and reporting requirements found in §63.752 & §63.753	40 CFR §63.752 & §63.753

Summary Page for Depainting Operations

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Vat 120	Building 114 Aqua-Strip (non-HAP) Depainting Vat	VOC	N/A	N/A
Vat 9	Building 409 Aqua-Strip (non-HAP) Depainting Vat	VOC	N/A	N/A
Vat 8	Building 409 Aqua-Strip (non-HAP) Depainting Vat	VOC	N/A	N/A
Vat 6	Building 409 Aqua-Strip (non-HAP) Depainting Vat	VOC	N/A	N/A
8-Stage Chemical Cleaner	Power Train Transmission Addition Facility (PTAF) 8-Stage Chemical Cleaner	VOC	N/A	N/A

Provisos for Depainting Operations

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. The Building 114 vat (Vat 120) and Building 409 vats (Vats 6, 9, & 8) shall be equipped with tightly fitting covers that shall be closed at all times, except when parts are inserted or removed and when vat service/maintenance is being performed.	Rule 335-3-14-.01(g)
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. The Permittee shall perform a weekly inspection to verify that the vat covers fit tightly and close properly on the Building 114 vat (Vat 120) and Building 409 vats (Vats 6, 9, & 8).	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the required weekly inspections on the Building 114 vat (Vat 120) and Building 409 vats (Vats 6, 9, & 8) shall be maintained and should be readily available for inspection for a period of five years.	Rule 335-3-16-.05(c)

Summary Page for Chrome Electroplating

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
K4462	Building 114- Hard Chromium Electroplating Line 1 w/ Mesh-Pad Demister	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
K4462	Building 114- Hard Chromium Electroplating Line 1 w/ Mesh-Pad Demister	Chromium	0.015 mg/dscm	40 CFR §63.342(c)(1)(ii)
K4461	Building 114- Hard Chromium Electroplating Line 2 w/ Mesh-Pad Demister	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
K4461	Building 114- Hard Chromium Electroplating Line 2 w/ Mesh-Pad Demister	Chromium	0.015 mg/dscm	440 CFR §63.342(c)(1)(ii)

Provisos for Chrome Electroplating

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. These units are subject to the applicable requirements of 40 CFR Part 63 Subpart N, "National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks."	40 CFR Part 63 Subpart N
3. These units are subject to the applicable requirements of 40 CFR Part Subpart A, "General Provisions", as listed in Table 1 of 40 CFR Part 63 Subpart N.	40 CFR Part 63 Subpart A & Subpart N
Emission Standards	
1. During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from these units by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm.	40 CFR §63.342(c)(1)(ii)
2. The emission limitation listed above applies during tank operation as defined in §63.341, and during period of startup and shutdown as these are routine occurrences.	40 CFR §63.342(b)(1)
3. At all times, including periods of startup, shutdown , and malfunction, the Permittee shall operate and maintain these units, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices. Malfunctions shall be corrected as soon as practicable after their occurrence.	40 CFR §63.342(f)(1)(i) & §63.342(f)(1)(ii)
Compliance and Performance Test Methods and Procedures	
1. Method 306 or 306A, "Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations," 40 CFR 63 Appendix A shall be used to determine the chromium concentration from these units.	40 CFR §63.344(c)(1)
2. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
Emission Monitoring	
1. As an indicator of compliance with the particulate matter and opacity emission limits, weekly visual observations of the stacks associated with each unit shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation shall be performed in order to verify that emissions are reduced to normal. In the event that a week goes by without the operation of a unit, a weekly visual inspection shall not be required.	Rule 335-3-16-.05(c)
2. The Permittee shall conduct the following operation and maintenance practices in accordance with the requirements in 40 CFR Part 63 Subpart N Table 1: (a) Once per quarter, visually inspect each composite mesh-pad system to ensure there is proper drainage, no chronic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device. (b) Once per quarter, visually inspect back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist. (c) Once per quarter, visually inspect ductwork from tank to the composite mesh-pad system to ensure there are no leaks. (d) Perform washdown of composite mesh-pads in accordance with manufacturers recommendations.	40 CFR Part 63 Subpart N, Table 1
3. The Permittee shall monitor and record the pressure drop across the composite mesh-pad system once each day that the source is in operation. To be in compliance with the standards, the composite mesh-pad system shall operating within ± 2 inches of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests.	40 CFR §63.343(c)(1)(ii)

Federally Enforceable Provisos	Regulations
4. The Operation and Maintenance Plan required by §63.342(f)(3) shall include the following elements: (a) The plan shall specify the operation and maintenance criteria for the affected source, the add-on pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment; (b) The plan shall incorporate the operation and maintenance practices, as identified in Table 1 of Subpart N; (c) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable condition do not occur; (d) The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing correction action to address such malfunctions; and (e) The plan shall include housekeeping procedures, as specified in Table 2 of Subpart N.	40 CFR §63.342(f)(3)(i)
Recordkeeping and Reporting Requirements	
1. Records of the required weekly visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections and any problems observed, excursions, and corrective actions taken. During weeks that a unit is not in operation and a weekly visible observation is not required, it shall be recorded that the unit was not in operation.	Rule 335-3-16-.05(c)
2. If actions taken by the Permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by §63.342(f)(3)(i), the Permittee shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the Permittee makes alternative reporting arrangements, in advance, with the Department.	40 CFR §63.342(f)(3)(iv)
3. The Permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, for the life of these units or until these units are no longer subject to the provisions of Subpart N. In addition, if the operation and maintenance plan is revised, the Permittee shall keep	40 CFR §63.342(f)(3)(v)

Federally Enforceable Provisos	Regulations
previous versions of the operation and maintenance plan on record to be made available for inspection, upon request, for a period of 5 years after each revision to the plan.	
4. The Permittee shall maintain the following records for each unit: (a) Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §63.342(f) and Table 1 of §63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection. (b) Records of all maintenance performed on each unit, the add-on air pollution control device, and monitoring equipment, except routine housekeeping practices; (c) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment; (d) Records of actions taken during periods of malfunction to minimize emission in accordance with §63.342(a)(1), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to it normal or usual manner of operation; (e) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by §63.342(f)(3); (f) Test reports documenting results of all performance tests (g) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of §63.344(e); (h) Records of monitoring data required by §63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected; (i) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment; (j) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment; (k) The total process operating time of each unit during the	40 CFR §63.346(b) & §63.346(c)

Federally Enforceable Provisos	Regulations
reporting period; and (l) All documentation supporting the notifications and reports required by §63.9, §63.10, and §63.347. (m) All records shall be maintained for a period of 5 years in accordance with §63.10(b)(1).	
5. The Permittee shall submit a summary report to the Department to document the ongoing compliance status of each unit. The report shall contain the information identified in §63.347(g)(3), and shall be submitted semiannually expected when: (a) The Department determines of a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source; or (b) The monitoring data collected in accordance with §63.343(c) show that the emission limit has been exceeded, in which case quarterly reports shall be submitted. Once the Permittee reports an exceedance, ongoing compliance status reports shall be submitted quarterly until a request to reduce report frequency under §63.467(g)(2) is approved.	40 FR §63.347(g)(1)
6. The ongoing compliance status report must contain the following information: (a) The company name and address of the affected source; (b) An identification of the operating parameter that is monitored for compliance determination, as required by §63.343(c); (c) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the notification of compliance status required by §63.347(e); (d) The beginning and ending dates of the reporting period; (e) A description of the type of process performed in the affect source; (f) The total operating time of the affected source during the reporting period; (g) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emission expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes; (h) A certification by a responsible official, as defined in §63.2, that the work practice stands in §63.342(f) were followed in accordance with the operation and	40 CFR §63.347(g)(3)

Federally Enforceable Provisos	Regulations
maintenance plan for the source; (i) If the operation and maintenance plan required by §63.342(f)(3) was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) by §63.342 (f)(3)(iv) documenting that the operation and maintenance plan was not followed; (j) A description of any changes in monitoring, processes, or controls since the last reporting period; (k) The number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.342(a)(1), including actions taken to correct a malfunction. (l) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and (m) The date of the report.	

Summary Page for Gasoline Dispensing Facilities – Stage 1

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
603	Site 603 – 12,000 Gallon Above Ground Gasoline Storage Tank	VOC	N/A	Rule 335-3-6-.07
422	Building 422 – 10,000 Gallon Under Ground Gasoline Storage Tank	VOC	N/A	Rule 335-3-6-.07

Provisos for Gasoline Dispensing Facilities – Stage 1

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin Code R. 335-3-6-.07, "Gasoline Dispensing Facilities- Stage I."	Rule 335-3-6-.07
Emission Standards	
1. The Permittee shall not transfer, cause, or allow the transfer of gasoline from any gasoline tank truck into this unit unless the tank is equipped with a submerged fill pipe and the vapors displaced from the storage tank during filling are processed by a vapor control system in accordance with ADEM Admin. Code R. 335-3-6-.07(4).	Rule 335-3-6-.07(3)
2. The Permittee shall not permit the transfer of gasoline between a gasoline tank truck and this unit unless the gasoline tank truck complies with ADEM Admin. Code R. 335-3-6-.20 and the vapor control system is connected and operating in accordance with ADEM Admin. Code R. 335-3-6-.07(4).	Rule 335-3-6-.07(5)(a)
3. The Permittee shall not cause or allow gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation of the gasoline to the atmosphere.	Rule 335-3-6-.07(6)
Compliance and Performance Test Methods and Procedures	
1. In the event that testing is required by the Department, the Permittee shall demonstrate compliance with the emission standards above by following procedures outlined in Section 12 of ADEM Admin. Code R. 335-3-6-.16, "Testing and Monitoring Procedures for Leaks from Gasoline Tank Trucks and Vapor Collection Systems".	Rule 335-3-6-.16(12)
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. The Permittee shall maintain written records of the monthly throughput quantities in gallons in these units for a minimum of five (5) years after the date on which the documents were made. These records will be made available to the Department upon request.	Rule 335-3-6-.07(b & c)

Summary Page for Bulk Gasoline Plant

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 6 (1)	Building 6 – 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07
Building 6 (2)	Building 6 – 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07
Building 6 (3)	Building 6 – 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07

Provisos for Bulk Gasoline Plant

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.05, "Bulk Gasoline Plants.	Rule 335-3-6-.05(2)
3. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.07, "Gasoline Dispensing Facilities – Stage I."	Rule 335-3-6-.07(2)
Emission Standards	
1. The Permittee shall not permit the unloading of gasoline into stationary storage tanks unless each tank is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.05(6) and approved by the Director; and (a) Each tanks is equipped with a submerged full pipe, approved by the Director; or (b) Each tank is equipped with a fill line whose discharge opening is not over 18 inches from the bottom of the tank.	Rule 335-3-6-.05(3)
2. The Permittee shall not permit the unloading of tank trucks or trailers at a bulk gasoline plant unless each tank truck or trailer is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.05(6) and complies with ADEM Admin. Code R. 335-3-6-.20(3).	Rule 335-3-6-.05(4)
3. The Permittee shall not permit the transfer of gasoline between tank truck or trailer and stationary storage tank unless: (a) The transfer is conducted in accordance with the above provisos, and (b) The vapor balance system is in good working order and is connected and operating; and (c) Gasoline tank truck or trailer hatches are covered at all times during unloading operations; and (d) There are no leaks in the tank trucks' and trailers' pressure/vacuum relief valves and hatch covers, or the truck tanks or storage tanks, or associated vapor and liquid lines during unloading; and (e) The pressure relief valves on above-ground storage vessels and tank trucks or trailers are set to release at no less than 4.8 kPa (0.7psia) or the highest possible pressure (in accordance with state or local fire codes or the National Fire Prevention Association guidelines); and	Rule 335-3-6-.05(5)

Federally Enforceable Provisos	Regulations
(f) The gasoline tank truck or trailer has a valid Department Air Sticker as required by ADEM Admin. Code R. 335-3-6-.20(4) attached and visibly displayed.	
4. The Permittee shall not permit the loading of gasoline into tank trucks or trailers that are returning with vapors from gasoline dispensing facilities affected by ADEM Admin. Code R. 335-3-6-.07 unless each tank truck or trailer and the stationary storage tank is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.05(6) and complies with ADEM Admin. Code R. 335-3-6-.20(3) and	Rule 335-3-6-.05(7)
(a) Equipment is available at the bulk gasoline plant to provide for the submerged filling of each tank truck or trailer; or (b) Each tank truck or trailer is equipped for bottom filling.	
5. The Permittee shall not permit the disposal of waste gasoline in sewers, open containers, or in a manner that would result in evaporation.	Rule 335-3-6-.05(8)
Compliance and Performance Test Methods and Procedures	
1. In the event that testing is required by ADEM, the permittee shall demonstrate compliance with the emission standards above by following procedures outlined in Section 12 of ADEM Admin. Code R. 335-3-6-.16, "Testing and Monitoring Procedures for Leaks from Gasoline Tank Trucks and Vapor Collection Systems."	Rule 335-3-6-.20(5)(a)2
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. Records of the amount of gasoline loaded to and unloaded from these units shall be maintained. These records shall be maintained in a form suitable for inspection for at least 5 years after the date of the record.	Rule 335-3-16-.05(c)

Summary Page for Salt Bath System

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
L6005	Salt Bath System – Building 474	PM	1.4 lbs/hr	Rule 335-3-14-.04 (Anti-PSD)
L6005	Salt Bath System – Building 474	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Salt Bath System

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from these units shall not exceed 1.4 lbs/hr.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. Weekly visual observations of the stacks associated with these units (while the units are in operation) shall be conducted by personnel certified in accordance with 40 CFR Part 60, Appendix A, Method 9. If visible emissions greater than 10 percent are observed, the facility shall investigate and initiate any necessary corrective action within 4 hours. After any corrective actions, an additional observation shall be performed in order to verify that emissions are reduced to normal. In the event that a week goes by without the operation of a unit, a weekly visual inspection shall not be required.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the required weekly visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
During weeks that a unit is not in operation and a weekly visible observation is not required, it shall be recorded that the unit was not in operation.	

Summary Page for Coating Vat

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Vat 106	Building 114 Manganese Phosphate Coating Operation	HAPs	N/A	N/A

Provisos for Coating Vat

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
2. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. The Permittee shall perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with this unit, as practicable.	Rule 335-3-16-.05(c)
2. The Permittee shall perform regular inspections to identify leaks and other opportunities for pollution prevention.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the required periodic monitoring shall be kept in a form suitable for inspection and shall be made available upon request. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)

Summary Page for Industrial Wastewater Treatment Plant

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
IWTP	Industrial Wastewater Treatment Plant	HAPs	N/A	N/A

Provisos for Industrial Wastewater Treatment Plant

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Energetic Treatment Unit (Flashing Furnace)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
036	Energetic Treatment Unit (Flashing Furnace)	PM	0.10 lbs/100 lbs charged or allowable set by $E=3.59(P)^{0.62}$	Rule 335-3-3-.02(3) Rule 335-3-4-.04
036	Energetic Treatment Unit (Flashing Furnace)	SO_2	15 ppm sulfur content	Rule 335-3-14-.04 (Anti-PSD)
036	Energetic Treatment Unit (Flashing Furnace)	NO_X	N/A	N/A
036	Energetic Treatment Unit (Flashing Furnace)	CO	N/A	N/A
036	Energetic Treatment Unit (Flashing Furnace)	VOC	N/A	N/A
036	Energetic Treatment Unit (Flashing Furnace)	HCl	N/A	N/A
036	Energetic Treatment Unit (Flashing Furnace)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Energetic Treatment Unit (Flashing Furnace)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04 (Anti-PSD)
Emission Standards	
1. This unit shall burn only propane, natural gas, or fuel oil. The sulfur content of the fuel oil shall not exceed 15 ppm by weight.	Rule 335-3-14-.04 (Anti-PSD)
2. Particulate matter emissions shall not exceed 0.10 pounds per 100 pounds charged to the furnace or the allowable set by Rule 335-3-4-.04, as determined by 40 CFR Part 63, Appendix A, Method 5 (most recent edition).	Rule 335-3-3-.02(3) Rule 335-3-4-.04
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. Records of fuel oil sulfur content must be kept in a form suitable for inspection. Fuel supplier certifications may be used as records for fuel oil sulfur content. These records shall be retained for at least five years following the date of generation and shall be made available upon request.	Rule 335-3-16-.05(c)

Summary Page for Thermal Treatment Closed Disposal Process (TTCDP) – Building 670

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	PM	Lesser of 2.77 lbs/hr or $E=3.59(P)^{0.62}$	Rule 335-3-4-.04(1)
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	SO_2	N/A	N/A
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	NO_X	N/A	N/A
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	CO	N/A	N/A
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	VOC	N/A	N/A
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	HAPs	N/A	N/A
X088	Thermal Treatment Closed Disposal Process (TTCDP) – Building 670	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Thermal Treatment Closed Disposal Process (TTCDP) – Building 670

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. Emissions of particulate matter shall not exceed the lesser of 2.77 lbs/hr or that which is calculated using the process weight equation, as defined in ADEM Admin. Code R. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Open Burning and Open Detonation (OB/OD)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
OB/OD	Open Burning/Open Detonation	PM	N/A	N/A
OB/OD	Open Burning/Open Detonation	SO_2	N/A	N/A
OB/OD	Open Burning/Open Detonation	NO_X	N/A	N/A
OB/OD	Open Burning/Open Detonation	CO	N/A	N/A
OB/OD	Open Burning/Open Detonation	VOC	N/A	N/A
OB/OD	Open Burning and Open Detonation	HAPs	N/A	N/A

Provisos for Open Burning and Open Detonation (OB/OD)

Federally Enforceable Provisos	Regulations
Applicability	
2. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
2. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
2. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Engine Testing

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	PM	N/A	N/A
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	SO_2	N/A	N/A
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	NO_X	39.0 TPY & 635,000 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel	Rule 335-3-14-.04 (Anti-PSD)
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	CO	N/A	N/A
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	VOC	N/A	N/A
Bldg 410 – 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, & 20	Building 410 – Turbine and Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 410 – 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, & 20	Building 410 – Turbine and Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 410 – 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, & 20	Building 410 – Turbine and Reciprocating Engine Test Cells	NO_X	N/A	N/A
Bldg 410 – 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, & 20	Building 410 – Turbine and Reciprocating Engine Test Cells	CO	N/A	N/A
Bldg 410 – 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 17, 18, 19, & 20	Building 410 – Turbine and Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 410 – 2	Building 410 – Turbine and Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 410 – 2	Building 410 – Turbine and Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 410 – 2	Building 410 – Turbine and Reciprocating Engine Test Cells	NO_X	124,830 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel	Rule 335-3-14-.04 (Anti-PSD)
Bldg 410 – 2	Building 410 – Turbine and Reciprocating Engine Test Cells	CO	N/A	N/A

Bldg 410 – 2	Building 410 – Turbine and Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 410 – 6	Building 410 – Turbine and Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 410 – 6	Building 410 – Turbine and Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 410 – 6	Building 410 – Turbine and Reciprocating Engine Test Cells	NO_X	124,830 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel	Rule 335-3-14-.04 (Anti-PSD)
Bldg 410 – 6	Building 410 – Turbine and Reciprocating Engine Test Cells	CO	N/A	N/A
Bldg 410 – 6	Building 410 – Turbine and Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 410 – 10 & 16	Building 410 – Turbine and Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 410 – 10 & 16	Building 410 – Turbine and Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 410 – 10 & 16	Building 410 – Turbine and Reciprocating Engine Test Cells	NO_X	130,000 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel	Rule 335-3-14-.04 (Anti-PSD)
Bldg 410 – 10 & 16	Building 410 – Turbine and Reciprocating Engine Test Cells	CO	N/A	N/A
Bldg 410 – 10 & 16	Building 410 – Turbine and Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 410 – 12	Building 410 – Turbine and Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 410 – 12	Building 410 – Turbine and Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 410 – 12	Building 410 – Turbine and Reciprocating Engine Test Cells	NO_X	114,975 gallons of diesel fuel, JP8, or F24 fuel	Rule 335-3-14-.04 (Anti-PSD)
Bldg 410 – 12	Building 410 – Turbine and Reciprocating Engine Test Cells	CO	N/A	N/A
Bldg 410 – 12	Building 410 – Turbine and Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 467 – 467-L & 467-R	Building 467 – Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 467 – 467-L & 467-R	Building 467 – Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 467 – 467-L & 467-R	Building 467 – Reciprocating Engine Test Cells	NO_X	124,830 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel (467-L)	Rule 335-3-14-.04 (Anti-PSD)
Bldg 467 – 467-L & 467-R	Building 467 – Reciprocating Engine Test Cells	CO	N/A	N/A

Bldg 467 – 467-L & 467-R	Building 467 – Reciprocating Engine Test Cells	VOC	N/A	N/A
Bldg 474 – 1, 2, 3, 4, 5, 6, & 7	Building 474 – Seven Reciprocating Engine Test Cells	PM	N/A	N/A
Bldg 474 – 1, 2, 3, 4, 5, 6, & 7	Building 474 – Seven Reciprocating Engine Test Cells	SO_2	N/A	N/A
Bldg 474 – 1, 2, 3, 4, 5, 6, & 7	Building 474 – Seven Reciprocating Engine Test Cells	NO_X	39.0 TPY	Rule 335-3-14-.04 (Anti-PSD)
Bldg 474 – 1, 2, 3, 4, 5, 6, & 7	Building 474 – Seven Reciprocating Engine Test Cells	CO	N/A	N/A
Bldg 474 – 1, 2, 3, 4, 5, 6, & 7	Building 474 – Seven Reciprocating Engine Test Cells	VOC	3.72 TPY	Rule 335-3-14-.04 (Anti-PSD)
X052 – Power Pack	Power Pack Test Stand – located near Building 128	PM	N/A	N/A
X052 – Power Pack	Power Pack Test Stand – located near Building 128	SO_2	N/A	N/A
X052 – Power Pack	Power Pack Test Stand – located near Building 128	NO_X	246,761 gallons of diesel fuel, JP-8, or Jet A/F 24 fuel	Rule 335-3-14-.04 (Anti-PSD)
X052 – Power Pack	Power Pack Test Stand – located near Building 128	CO	N/A	N/A
X052 – Power Pack	Power Pack Test Stand – located near Building 128	VOC	N/A	N/A

Provisos for Engine Testing

Federally Enforceable Provisos		Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
3.	These units are subject to the applicable requirements of 40 CFR Part 63 Subpart PPPPP, "National Emission Standards for Hazardous air Pollutants: Engine Test Cells/Stands".	40 CFR Part 63 Subpart PPPPP
Emission Standards		
1.	These units do not have to meet the requirements of 40 CFR 63 Subpart PPPPP or 40 CFR 60 Subpart A.	40 CFR §63.9290(b) & §63.9290(d)(1)
2.	The total NO_X emissions from the five engine test cells in Building 128 shall not exceed 39.0 tons in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
3.	The five engine test cells in Building 128 shall burn no more than a total of 635,000 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
4.	Test cell # 2 in Building 410 shall burn no more than a total of 124,830 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
5.	Test cell # 6 in Building 410 shall burn no more than a total of 124,830 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
6.	Test cells # 10 and # 16 in Building 410 shall burn no more than a total of 130,000 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
7.	Test cell # 12 in Building 410 shall burn no more than a total of 114,975 gallons of JP8, F24, or diesel fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
8.	Test cell 467-L in Building 467 shall burn no more than a total of 124,830 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
9.	The total NO_X emissions from the seven engine test cells in Building 474 shall not exceed 39.0 tons in any consecutive	Rule 335-3-14-.04

Federally Enforceable Provisos	Regulations
rolling twelve month period.	(Anti-PSD)
10. The total Volatile Organic Compounds (VOCs) emissions from the seven engine test cells in Building 474 shall not exceed 3.72 tons in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
11. The power pack test stand located near Building 128 shall burn no more than a total of 246,761 gallons of diesel, JP-8, or Jet A/F 24 fuel in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. Records of the monthly and rolling twelve month totals documenting the type and amount of fuel combusted in the five Building 128 test cells, test cells # 2 and #12 in Building 410, test cell 467-L in Building 467, and the power pack test stand near Building 128 shall be kept in permanent form suitable for inspection. These records must be maintained for a minimum of 5 years following the day of such record.	Rule 335-3-16-.05(c)
2. Records of monthly and twelve month rolling totals of all NO_X emitted from test cells # 6, # 10, and # 16 in Building 410 shall be recorded. Accurate and understandable records of consumption will be maintained in a permanent form suitable for inspection and be available immediately upon request. The Permittee shall provide a copy of records and supporting background documents upon request that to its permit. These records must be maintained for a minimum of 5 years following the day of such record. These records shall contain the following information: (a) The quantity in gallons of fuel used each calendar month. (b) The emission factor used for determining the amount of NO_X emitted. (c) The amount of NO_X emitted each calendar month expressed in the units of pounds and tons. (d) The rolling twelve month total of all NO_X emitted in the	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
units of pounds and tons.	
3. Records of monthly and twelve month rolling totals of all NO_X and VOCs emitted from the Building 474 test stands shall be recorded. Accurate and understandable records of consumption will be maintained in a permanent form suitable for inspection and be available immediately upon request. The Permittee shall provide a copy of records and supporting background documents upon request that to its permit. These records must be maintained for a minimum of 5 years following the day of such record. These records shall contain the following information: (a) The quantity in gallons of fuel used each calendar month. (b) The emission factor used for determining the amount of NO_X and VOCs emitted. (c) The amount of NO_X and VOCs emitted each calendar month expressed in the units of pounds and tons. (d) The rolling twelve month total of all NO_X and VOCs emitted in the units of pounds and tons. A report summarizing the above information shall be submitted for each calendar quarter by the 30th day of the month following the end of the quarter, in a format approved by the Department in advance.	Rule 335-3-16-.05(c)

Summary Page for Mobile Tub Grinders

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
X056	Two (2) Mobile Tub Grinder with 860 HP Diesel Engines	PM	N/A	N/A
X056	Two (2) Mobile Tub Grinder with 860 HP Diesel Engines	SO_2	N/A	N/A
X056	Two (2) Mobile Tub Grinder with 860 HP Diesel Engines	NO_X	N/A	N/A
X056	Two (2) Mobile Tub Grinder with 860 HP Diesel Engines	CO	N/A	N/A
X056	Two (2) Mobile Tub Grinder with 860 HP Diesel Engines	VOC	N/A	N/A

Provisos for Mobile Tub Grinders

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
Emission Standards	
1. The hours of operation for each engine shall not exceed 100 hours per engine in any consecutive rolling twelve month period.	40 CFR §63.6675
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. Records monthly and rolling twelve month total hours of operation for each engine shall be kept in a form suitable for inspection for a period of at least 5 years following the date of generation, and shall be made available immediately upon request.	Rule 335-3-16-.05(c)

Summary Page for Small Natural Gas Boilers (Appendix A)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	PM	$E = 1.38(H)^{-0.44}$ 0.13 lbs/hr (19-1 & 19-2)	Rule 335-3-4-.03 Rule 335-3-14-.04
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	SO_2	Natural Gas or No. 2 fuel oil (during periods of gas curtailment) 0.5% sulfur content	Rule 335-3-14-.04 §63.7575
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	NO_X	N/A	N/A
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	CO	N/A	N/A
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	VOC	N/A	N/A
See Appendix A	Small Natural Gas Boilers (less than 10 MMBtu/hr)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Small Natural Gas Boilers (Appendix A)

Federally Enforceable Provisos		Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Steam Generating Units".	40 CFR Part 63 Subpart DDDDD
3.	These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 10 of Subpart DDDDD.	40 CFR Part 63 Subpart DDDDD
4.	All new or reconstructed boilers (constructed or reconstructed after June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD by January 31, 2013 or upon startup of the boiler, whichever is later.	40 CFR §63.7495(a)
5.	All existing boilers (constructed before June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD no later than January 31, 2016.	40 CFR §63.7495(b)
Emission Standards		
1.	These units shall combust natural gas and No. 2 fuel oil only. The No. 2 fuel oil may only used for periodic testing, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year or during periods of gas curtailment or gas supply interruptions of any duration. The sulfur content of the No. 2 fuel shall not exceed 0.5% by weight.	Rule 335-3-14-.04 40 CFR §63.7575
2.	The Permittee must operate and maintain these sources, at all times, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	40 CFR §63.7500(a)(3)
3.	Particulate matter emissions from the Building 19 boilers 19-1 and 19-2 (8.40 MMBtu/hr) shall not exceed 0.13 lbs/hr, each.	Rule 335-3-14-.04
Compliance and Performance Test Methods and Procedures		
1.	Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
2. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 6 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of sulfur dioxide emissions.	Rule 335-3-1-.05
4. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
Emission Monitoring	
1. The Permittee must conduct a one-time energy assessment of existing boilers (constructed before June 4, 2010) performed by a qualified energy assessor, based on paragraph (4) of the definition of energy assessment in §63.7575. The energy assessment must include the following with extent of the evaluation for items a to e appropriate for the on-site technical hours list in §63.7575: (a) A visual inspection of the boiler or process heater system. (b) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints. (c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator. (d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage. (e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified. (f) A list of cost-effective energy conservation measures that are within the facility's control. (g) A list of the energy savings potential of the energy conservation measure identified. (h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.	40 CFR Part 63 Subpart DDDDD, Table 3
2. The Permittee must conduct a tune-up of each boiler with a heat input capacity of less than 5 MMBtu/hr every 5 years based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi).	40 CFR §63.7540(a)(12)

Federally Enforceable Provisos		Regulations
3.	The Permittee must conduct biennial tune-ups of each boiler with a heat input capacity of less than 10 MMBtu/hr but greater than 5 MMBtu/hr based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi).	40 CFR §63.7540(a)(11)
4.	If a boiler is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.	40 CFR §63.7540(a)(13)
5.	Daily visual observations of the stack associated with the Building 19 boilers 19-1 and 19-2 (8.4 MMBtu/hr), and Building 647 (6.695 MMBtu/hr) boiler, when the units are burning fuels other than natural gas, shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, corrective action must be taken.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements		
1.	The Permittee must submit a biennial or 5-year compliance report as required by §63.7550(b).	40 CFR §63.7550(b)
2.	Records of the sulfur content of the fuel oil combusted must be kept in a form suitable for inspection and shall be made available upon request. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)
3.	Records of the required daily visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)

Summary Page for Small Fuel Oil/Dual Fuel Boilers

(Appendix B)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	SO_2	0.5% sulfur content	Rule 335-3-14-.04 (Anti-PSD)
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	NO_X	N/A	N/A
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	CO	N/A	N/A
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	VOC	N/A	N/A
See Appendix B	Small Fuel Oil/Dual Fuel Boilers (less than 10 MMBtu/hr)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Small Fuel Oil/Dual Fuel Boilers (Appendix B)

Federally Enforceable Provisos		Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04 (Anti-PSD)
3.	These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Steam Generating Units".	40 CFR Part 63 Subpart DDDDD
4.	These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 10 of Subpart DDDDD.	40 CFR Part 63 Subpart DDDDD
5.	All new or reconstructed boilers (constructed or reconstructed after June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD by January 31, 2013 or upon startup of the boiler, whichever is later.	40 CFR §63.7495(a)
6.	All existing boilers (constructed before June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD no later than January 31, 2016.	40 CFR §63.7495(b)
Emission Standards		
1.	These units shall burn only natural gas or No. 2 fuel oil. Building 680 (4.185 MMBtu/hr) boiler shall burn natural gas, propane, and No. 2 fuel oil only. The sulfur content of the No. 2 fuel oil shall not exceed 0.5% by weight.	Rule 335-3-14-.04 (Anti-PSD)
2.	The Permittee must operate and maintain these sources, at all times, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	40 CFR §63.4500(a)(3)
Compliance and Performance Test Methods and Procedures		
1.	Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05

Federally Enforceable Provisos		Regulations
2.	Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3.	The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
Emission Monitoring		
1.	The Permittee must conduct a one-time energy assessment of existing boilers (constructed before June 4, 2010) performed by a qualified energy assessor, based on paragraph (4) of the definition of energy assessment in §63.7575. The energy assessment must include the following with extent of the evaluation for items a to e appropriate for the on-site technical hours list in §63.7575: (a) A visual inspection of the boiler or process heater system. (b) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints. (c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator. (d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage. (e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified. (f) A list of cost-effective energy conservation measures that are within the facility's control. (g) A list of the energy savings potential of the energy conservation measure identified. (h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.	40 CFR Part 63 Subpart DDDDDD, Table 3
2.	The Permittee must conduct a tune-up of each boiler with a heat input capacity of less than 5 MMBtu/hr every 5 years based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi).	40 CFR §63.7540(a)(12)
3.	If a boiler is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.	40 CFR §63.7540(a)(13)

Federally Enforceable Provisos		Regulations
4.	Daily visual observations of the stack associated with the Building 654 (4.185 MMBtu/hr) and Building 680(4.185 MMBtu/hr) boilers, when the units are burning fuels other than natural gas, shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, corrective action must be taken.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements		
1.	The Permittee must submit 5-year compliance report as required by §63.7550(b).	40 CFR §63.7550(b)
2.	Records of the sulfur content of the fuel oil combusted must be kept in a form suitable for inspection and shall be made available upon request. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)
3.	Records of the required daily visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)

Summary Page for Large Natural Gas Boilers (Appendix C)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	SO_2	Natural Gas or No. 2 fuel oil (during periods of gas curtailment) 0.5% sulfur content	Rule 335-3-14-.04 (Anti-PSD) §63.7575
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	NO_X	N/A	N/A
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	CO	N/A	N/A
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	VOC	N/A	N/A
See Appendix C	Large Natural Gas Boilers (greater than 10 MMBtu/hr)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Large Natural Gas Boilers (Appendix C)

	Federally Enforceable Provisos	Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	These sources are subject to the applicable requirements of 40 CFR Part 60 Subpart Dc, "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units".	40 CFR Part 60 Subpart Dc
3.	These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Steam Generating Units".	40 CFR Part 63 Subpart DDDDD
4.	These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 10 of Subpart DDDDD.	40 CFR Part 63 Subpart DDDDD
5.	All new or reconstructed boilers (constructed or reconstructed after June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD by January 31, 2013 or upon startup of the boiler, whichever is later.	40 CFR §63.7495(a)
6.	All existing boilers (constructed before June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD no later than January 31, 2016.	40 CFR §63.7495(b)
Emission Standards		
1.	These units shall combust natural gas and No. 2 fuel oil only. The No. 2 fuel oil may only used for periodic testing, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year or during periods of gas curtailment or gas supply interruptions of any duration. The sulfur content of the No. 2 fuel shall not exceed 0.5% by weight.	Rule 335-3-14-.04 (Anti-PSD) 40 CFR §63.7575
2.	Building 362 boilers 362-1 and 362-2 (12.5 MMBtu/hr) shall combust no more than 1,086,905 gallons of fuel oil in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
3.	Particulate matter emissions from Building 362 boilers 362-1 and 362-2 (12.5 MMBtu/hr) shall not exceed 0.17 lbs/hr, each.	Rule 335-3-14-.04 (Anti-PSD)
4.	Building 381A boilers 381A-1 and 381A-2 (21.0 MMBtu/hr) shall combust no more than 1,067,761 gallons of fuel oil in	Rule 335-3-14-.04

	Federally Enforceable Provisos	Regulations
	any consecutive rolling twelve month period.	(Anti-PSD)
5.	Particulate matter emissions from Building 381A boilers 381A-1 and 381A-2 (21.0 MMBtu/hr) shall not exceed 1.59 lb/hr, each.	Rule 335-3-14-.04 (Anti-PSD)
6.	Building 401 boilers 401-1 and 401-2 (90.0 MMBtu/hr) shall combust no more than 9,944,000 gallons of fuel oil in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
7.	Particulate matter emissions from Building 401 boilers 401-1 and 401-2 (90.0 MMBtu/hr) shall not exceed 1.29 lbs/hr, each.	Rule 335-3-14-.04 (Anti-PSD)
8.	Building 401 boiler 401-3 (61.5 MMBtu/hr) shall combust no more than 272,142,857 standard cubic feet of natural gas in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
9.	Building 401 boiler 401-3 (61.5 MMBtu/hr) shall combust no more than 1,054,000 gallons of fuel oil in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
10.	Building 501 (20.085 MMBtu/hr) boiler shall combust no more than 1,098,592 gallons of fuel oil in any consecutive rolling twelve month period.	Rule 335-3-14-.04 (Anti-PSD)
11.	The Permittee must operate and maintain these sources, at all times, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	40 CFR §63.7500(a)(3)
Compliance and Performance Test Methods and Procedures		
1.	Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
2.	Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3.	Method 6 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of sulfur dioxide emissions.	Rule 335-3-1-.05
4.	The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
Emission Monitoring	
1. The Permittee must conduct a one-time energy assessment of existing boilers (constructed before June 4, 2010) performed by a qualified energy assessor, based on paragraph (4) of the definition of energy assessment in §63.7575. The energy assessment must include the following with extent of the evaluation for items a to e appropriate for the on-site technical hours list in §63.7575: (a) A visual inspection of the boiler or process heater system. (b) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints. (c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator. (d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage. (e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified. (f) A list of cost-effective energy conservation measures that are within the facility's control. (g) A list of the energy savings potential of the energy conservation measure identified. (h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.	40 CFR Part 63 Subpart DDDDD, Table 3
2. The Permittee must conduct annual tune-ups of each boiler based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi).	40 CFR §63.7540(a)(10)
3. If a boiler is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.	40 CFR §63.7540(a)(13)
4. Daily visual observations of the stack associated with these units, when the units are burning fuels other than natural gas, shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, corrective action must be taken.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. The amount of fuel combusted each day in each unit shall	40 CFR §60.48c(g)

	Federally Enforceable Provisos	Regulations
	be recorded.	
2.	Records of the daily fuel usage must be kept in a permanent form suitable for inspection and this data shall be retained for at least two years.	40 CFR §60.48c(i)
3.	Quarterly reports concerning boiler operations shall be submitted to the Department. Each quarterly report shall be postmarked by the 30th day following the end of the reporting period, and shall contain the information described below. (a) If fuel oil supplier certifications are being used to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, the name of the oil suppliers, and a statement from the oil suppler that the oil complies with the specifications under the definition of distillate oil in §60.41c. In addition, the quarterly reports shall include a certified statement signed by the owner or operator of the units that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. (b) If the Permittee collects oil samples to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, and each 30-day average sulfur content (weight percent), calculated during the reporting period (ending with the last 30-day period).	40 CFR §60.48c(d) & §60.48c(e)
4.	The Permittee must submit an annual compliance report as required by §63.7550(b).	40 CFR §63.7550(d)
5.	Records of the sulfur content of the fuel oil combusted must be kept in a form suitable for inspection and shall be made available upon request. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)
6.	Records of the required daily visual observations shall be kept in a form suitable for inspection and shall be made available upon request. These records shall include the date and results of the visual observation. If any visible emissions are observed, the records shall include the date and time of the initial observation, a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up observation. These records shall be retained for at least five years following the date of generation.	Rule 335-3-16-.05(c)
7.	Records of daily, monthly, and rolling twelve month total fuel oil usage for each boiler shall be maintained in a form suitable for inspection for a period of at least 5 years	Rule 335-3-16-.05(c)

	Federally Enforceable Provisos	Regulations
	following the use of fuel oil.	
8.	Records of daily, monthly, and rolling twelve month total natural gas usage for Building 401 boiler 401-3 (61.5 MMBtu/hr) shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of natural gas.	Rule 335-3-16-.05(c)

Summary Page for NSPS Subpart IIII – Compression Ignition Emergency Generators (Appendix D)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	PM	See Table 1 or Table 4 in 40 CFR Part 60 Subpart IIII	40 CFR Part 60 Subpart IIII
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	SO_2	N/A	N/A
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	NO_X	See Table 1 or Table 4 in 40 CFR Part 60 Subpart IIII	40 CFR Part 60 Subpart IIII
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	CO	See Table 1 or Table 4 in 40 CFR Part 60 Subpart IIII	40 CFR Part 60 Subpart IIII
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	VOC	N/A	N/A
See Appendix D	Diesel Fired Compression Ignition Emergency Generators	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for NSPS Subpart IIII – Compression Ignition Emergency Generators (Appendix D)

Federally Enforceable Provisos		Regulations
Applicability		
1.	These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2.	These sources are subject to the applicable requirements of 40 CFR Part 60 Subpart IIII, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines".	40 CFR Part 60 Subpart IIII
3.	These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 60, "General Provisions" as listed in Table 8 of Subpart IIII.	40 CFR Part 60 Subpart IIII
Emission Standards		
1.	These units are subject to the applicable emission standards listed in Table 1 to 40 CFR Part 60 Subpart IIII and 40 CFR §60.4202(a)(2).	40 CFR §60.4205(a) & §60.4205(b)
2.	These units must be certified according to 40 CFR Part 60 Subpart IIII for the same model year and maximum engine power.	40 CFR §60.4205(b)
3.	These units must be installed and configured according to the manufacturer's specifications.	40 CFR §60.4211(a) & §60.4211(b)
4.	The facility must operate and maintain these units according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.	40 CFR §60.4206
5.	These units must use diesel fuel that meets the requirements of 40 CFR §80.510(b).	40 CFR §60.4207(b)
6.	The Permittee must install a non-resettable hour meter prior to startup of the engines.	40 CFR §60.4209(a)
7.	These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains	40 CFR §60.4211(f)

Federally Enforceable Provisos	Regulations
records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60 Subpart IIII, is prohibited.	
Compliance and Performance Test Methods and Procedures	
1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
Emission Monitoring	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for MACT Subpart ZZZZ – Existing Emergency Generators (Appendix E)

Permitted
Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	PM	N/A	N/A
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	SO_2	N/A	N/A
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	NO_X	N/A	N/A
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	CO	N/A	N/A
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	VOC	N/A	N/A
See Appendix E	Existing Emergency Generators (Subject to only Subpart ZZZZ)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for MACT Subpart ZZZZ – Existing Emergency Generators (Appendix E)

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, "National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE)".	40 CFR Part 63 Subpart ZZZZ
3. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 8 of Subpart ZZZZ.	40 CFR Part 63 Subpart ZZZZ
4. All compression ignition engines must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ no later than May 3, 2013.	40 CFR §63.6595(a)(1)
5. All spark ignition engines must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ no later than October 19, 2013.	40 CFR §63.6595(a)(1)
Emission Standards	
1. These units are subject to the applicable requirements listed in Table 2c of 40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	40 CFR §63.6602
2. The Permittee must operate and maintain these units according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	40 CFR §63.6625(e)(2)
3. The Permittee must install a non-resettable hour meter for each unit if one is not already installed.	40 CFR §63.6625(f)
4. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains	40 CFR §63.6640(f)(1)

Federally Enforceable Provisos	Regulations
records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 63 Subpart ZZZZ, is prohibited.	
Compliance and Performance Test Methods and Procedures	
1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
Emission Monitoring	
1. The Permittee shall perform the following activities: (a) Change oil and filter every 500 hours of operation or annually, whichever comes first; (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. Or utilize an oil analysis program as described in §63.6625(i) or §63.6625(j).	40 CFR Part 63 Subpart ZZZZ Table 2c(1) & Table 2c(6) & §63.6625(i) & (j)
Recordkeeping and Reporting Requirements	
1. The Permittee must keep records of the maintenance conducted on these units in order to demonstrate that you operated and maintained these units and after-treatment control device (if any) according to your own maintenance plan.	40 CFR §63.6655(e)
2. The Permittee must keep records of the hours of operation of each engine that is recorded through the non-resettable hour meter. The facility must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.	40 CFR §63.6655(f)

CAM Plan for Building 431 Spinner Hanger Abrasive Blast Unit (J4744)

	Indicator 1
I. Indicator	Opacity
Measurement Approach	Visible Emissions observation by persons familiar with Method 9
II. Indicator Range	While the unit is operating, an excursion is defined as the presence of **any** visible emissions. Excursions trigger an inspection, corrective action, and a reporting requirement.
III. Performance Criteria A. Data Representativeness	Measurement is being made at the emission point (baghouse exhaust).
B. Verification of Operation Status	N/A
C. QA/QC Practices and Criteria	The observer will be familiar with Reference Method 9.
D. Monitoring Frequency	Daily
E. Data Collection Procedures	The VE observation will be recorded with the time, date, and name of the observer.
F. Averaging Period	Instantaneous

Appendix A – Small Natural Gas Boilers

Building Number	Rated Capacity (MMBtu/hr)
19-1	8.40
19-2	8.40
27	2.34
87	1.73
201	2.00
475-1	3.00
475-2	3.00
475-3	3.00
503	2.68
647	6.695
654	4.185
695-1	3.15
695-2	1.25
108, Quench Furnace	2.3
108, Quench Furnace	0.5
474, 20 Process Heaters	0.25
474, 2 Process Heaters	1.00
726, Pallet Kiln	2.0

Appendix B – Small Fuel Oil/Dual Fuel Boilers

Building Number	Rated Capacity (MMBtu/hr)
21	1.51
54	1.06
65	1.25
380	1.29
600	1.00
669	1.80
680	4.185

Appendix C – Large Natural Gas Boilers

Building Number	Rated Capacity (MMBtu/hr)
362-1	12.50
362-2	12.50
381A-1	21.0
381A-2	21.0
401-1	90.0
401-2	90.0
401-3	61.5
501	20.085

Appendix D – NSPS Subpart IIII – Compression Ignition Emergency Generators

Building	HP	kW
52C	237	176.7
107	268	200
201	369	275
364	1,102	750
445	364	271.4
505A	619	400
721	26.8	20
IWTP – Bldg 162B	1,502	1,120
Sewage Treatment Plant	318	235

Appendix E – MACT Subpart ZZZZ – Existing Emergency Generators

Building	HP	kW	Fuel	Building	HP	kW	Fuel
2	268	200	Diesel	223	201.07	150	Diesel
7	201	150	Diesel	235	80.4	60	Diesel
53	107.2	80	Diesel	266	53.6	40	Diesel
79	201	150	Diesel	367	80.4	60	Diesel
81	80.4	60	Diesel	376	33.5	25	Propane
82	274.8	205	Natural Gas	513	67	50	Natural Gas
87	46.9	35	Natural Gas	522-1	288.2	215	Diesel
96A	107.2	80	Diesel	522-2	288.2	215	Diesel
97A	174	130	Diesel	522-3	288.2	215	Diesel
114	167.6	125	Diesel	695	167.6	125	Diesel
189	234.6	175	Diesel	715	53.6	40	Diesel
194	469	350	Diesel	Gate 5A	80.4	60	Diesel